Mechanics ReView MOOC: Learning about digital learning through data

On June 1st, a group of professors and researchers from MIT's RELATE Lab will launch an edX course called Mechanics ReView. What makes this course unique is that, while many MOOC developers discuss the potential for using student data to improve courses, Mechanics ReView has already crunched five years' worth of data to optimize the learning experience. The thousands of students who took prior online versions of the course have allowed the RELATE team to refine the focus and phrasing of every question and explanation in the course. It's a great illustration of how scientific method can improve the way science is taught.

The course was first taught at MIT in 2009 to help MIT freshman who were having trouble with 8.01 Physics I: Classical Mechanics. Unlike traditional lecture courses, Mechanics ReView focused on problem solving. It taught students a style of strategic thinking that made it easier to solve mechanical engineering problems. They learned how to frame the interactions between objects and decide what systems and models govern them.

> Read the complete article

New Courses

- 15.401 Finance Theory I
- CMS.407 Media and Methods: Sound

Updated Courses

- 11.166 Law, Social Movements, and Public Policy: Comparative and International Experience
- 15.220 Global Strategy and Organization
- 18.100C Real Analysis
- 21F.027 Asia in the Modern World: Images & Representations
- 22.51 Quantum Theory of Radiation Interactions

> Find courses that interest you
Unbelievably, we are nearing the end of the school year and soon teachers and students will begin their summer vacations. But just because school is out, doesn’t mean you have to stop learning. Visit Highlights for High School for some fun videos and courses. Here are a few suggestions to get you started.

**ChemLab Boot Camp**: An engaging reality show about MIT students learning their way around a chemistry lab.

**Chemistry Behind the Magic: Chemical Demonstrations for the Classroom**: Watch two scientists create things that steam, fizzle, and glow during these exciting chemistry demonstrations!

Check out courses developed at MIT specifically for high school students! Topics include extraterrestrial life, guitar building, and audio and speaker electronics, among many others.

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**New MITx Courses**

Fall 2013 MITx courses are now open for registration on the edX site. Courses this fall include:

New this fall
3.086x Innovation and Commercialization
4.605x A Global History of Architecture: Part 1

Previously offered
2.01x Elements of Structure
8.01x Classical Mechanics

> Enroll now at: [edx.org](http://edx.org)

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**Views from Supporters**

"When I was a child, I grew up in a household with 14 sisters and brothers."
My mother barely had a third grade education.

And what I remember her telling us was that education was the way out.

She also said that an education was the only thing they could not take from you.

That advice stayed with me, and I consider education a lifelong journey. There is always something to learn, and as such, a contribution to be made.

A mentor once told me that if you know how to read, you can do anything.

I want to help others find a way through education. The fact that this is open to anyone is awesome. Learning itself is a gift that keeps on giving. Thank you. "

- Maria, Independent Learner, USA